

AMENDMENT TO THE CLAIMS:

Claims 1-23 (canceled).

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24. (currently amended) An electrochemical cell, comprising:

a positive electrode folded in a zigzag configuration having folds and creases; and

10 at least one bifold negative electrode having a first leg and a second leg, said first leg and said second leg disposed within a first and a second fold on the same side of the zigzag configuration of said electrode; and

an aqueous alkaline electrolyte,

15 wherein said positive electrode comprises a nickel hydroxide material and[/or] said at least one negative electrode comprises a hydrogen storage alloy.

Claims 25, 26, 27, 28, 29, 30 (canceled)

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31. (previously presented) The electrochemical cell of claim 24, wherein said first leg and said second leg are disposed in adjacent folds on the same side of the zigzag configuration of said positive electrode.

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32. (previously presented) The electrochemical cell of claim 24, wherein said at least one bifold negative electrode is a plurality of bifold negative electrodes, each of said bifold negative electrodes having a first leg and a second leg.

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33. (previously presented) The electrochemical cell of  
claim 32, wherein said plurality of bifold negative  
electrodes are disposed over alternating creases on each  
side of the zigzag configuration of said positive  
5 electrode.

Claims 34, 35, 36, 37 (canceled)

38. (currently amended) An electrochemical cell,  
10 comprising:  
an electrode stack including a positive electrode  
disposed between a first and a second negative electrode,  
said electrode stack folded in a zigzag configuration with  
folds and creases; and  
15 an aqueous alkaline electrolyte,  
wherein said positive electrode comprises a nickel  
hydroxide material and[/or] said negative electrodes  
comprise a hydrogen storage alloy.

20 Claim 39, 40, 41, 42, 43, 44 (canceled)

45. (previously presented) The electrochemical cell of  
claim 38, further comprising a hydrophobic material  
disposed in at least one of the folds of the zigzag  
25 configuration of said electrode stack.

46. (previously presented) The electrochemical cell of  
claim 38, wherein said electrode stack further comprises a  
first and a second hydrophobic layer, each of said  
30 hydrophobic layers disposed on an outer face of a  
corresponding negative electrode, said electrode stack  
folded to form said zigzag configuration.

47. (currently amended) An electrochemical cell,  
comprising:

a negative electrode folded in a zigzag configuration  
5 having folds and creases; [and]

at least one bifold positive electrode having a first  
leg and a second leg, said first leg and said second leg  
disposed within a first and a second fold on the same side  
of the zigzag configuration of said electrode[,] and;

10 an aqueous alkaline electrolyte,

wherein said at least one positive electrode comprises a  
nickel hydroxide material and[/or] said negative electrode  
comprises a hydrogen storage alloy.

15 Claims 48, 49, 50 (canceled)

51. (previously presented) The electrochemical cell of  
claim 47, wherein said at least one bifold positive  
electrode is a plurality of bifold positive electrodes,  
20 each of said bifold positive electrodes having a first leg  
and a second leg.

52. (previously presented) The electrochemical cell of  
claim 51, wherein said plurality of bifold positive  
electrodes are disposed over alternating creases on each  
25 side of the zigzag configuration of said negative  
electrode.

53. (currently amended) An electrochemical cell,  
30 comprising:

an electrode stack including a negative electrode  
disposed between a first and a second positive electrode,

said electrode stack folded in a zigzag configuration with folds and creases; and

an aqueous alkaline electrolyte,  
wherein said positive electrodes comprise a nickel  
5 hydroxide material and[/or] said negative electrode  
comprises a hydrogen storage alloy.

Claim 54, 55 (canceled)

10 56. (previously presented) The electrochemical cell of claim 53, further comprising a hydrophobic material disposed in at least one of the folds of the zigzag configuration of said electrode stack.

15 57. (previously presented) The electrochemical cell of claim 53, wherein said electrode stack further comprises a first and a second hydrophobic layer, each of said hydrophobic layers disposed on an outer face of a corresponding positive electrode, said electrode stack  
20 folded to form said zigzag configuration.

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